

TC 1.12 Moisture Management in Buildings
June 18, 2021, 1pm to 3pm
Virtual Summer Meeting ('Austin')

1. Call to order – Florian Antretter

The Chair called the meeting to order and read the TC 1.12 title and scope statement.

2. Self-Introduction of members and guests

Those present introduced themselves.

3. Roll Call – Membership

Ten of twelve voting members attended. Quorum was established. On July 1, 2021, three voting members rolling off- Don Snell, Stan Gatland, and Norm Nelson; and two voting members being added- Ed Light and Deborah Callaway. Email Diana Fisler for assistance if you are interested in a change of your membership status.

4. Review Agenda

Agenda was reviewed. The new topic "7. Section Head Report" was added to the agenda.

5. Approval of minutes from Virtual Winter 2021 meeting

Wahid Maref motions to approve, Erika Bonfanti seconds. Ten votes, zero abstentions. Draft minutes will be posted to Basecamp and approved minutes will be posted to the ASHRAE website.

6. Chairman's Report – Florian Antretter

- a. News of Rodney Lewis passing, one of the founding TC1.12 members and the first committee chair.
- b. Carl Grimes welcomed as new Vice Chair.
- c. Current happenings, including discussion of TC 1.12 chapters and scope, are posted for members on Basecamp.
- d. ASHRAE now enables the option to provide a motion to TAC or the Society from within a TC.
- e. TC reorganization effort is still underway and ReOrg committee issued a final report.
- f. TCs are asked to organize interim meetings to verify progress on goals and objectives.

7. Section Head Report – Larry Smith

- a. Jennifer Leach resigned, Larry Smith is the new Section Head.
- b. Concurs with the sentiment that the TC 1.12 member group is inclusive and welcomes all participants, regardless of membership status.
- c. Email askTAC@ashrae.net for questions and comments regarding the TCs.
- d. Meeting on June 21, 2021 at 10am with an open mic policy to address the committee and speak regarding any TC-related questions, concerns, or input.
- e. Intends to approach Section Head leadership by facilitating TCs goals and objectives and reverse a top-down approach.
- f. Planning is underway for the January 2022 in-person conference in Vegas. TCs are asked to conduct at least one virtual interim meeting before then and keep collaboration active on Basecamp.

8. Research – Wahid Maref

- a. Update on brainstorming sessions for future of TC 1.12 research scope- information will be compiled from the morning brainstorming breakout sessions and overlapping topics will be identified. Please email Wahid, Florian, and Erika with additional comments on the rankings.
- b. Note that research funding through ASHRAE is limited, so need to consider other funding sources if a research topic is identified. All RTAR requests will need to be very specific for approval.
- c. PMS still meeting every two to four weeks with Eric Martin on 1844-URP- Estimating Internal Moisture Generation Rates in New, Occupied Homes. Data collection will occur for another year due to COVID delays, which provides opportunity for additional data.

9. Program – David Finley

- a. TC 1.12 was unsuccessful in having a seminar. Dave reviewed on-demand programs of interest during the current virtual Austin conference:
 - i. Seminar 32- *Building Envelopes and their Resilience to Natural Disasters*, TC 4.4 as sponsor
 - ii. Seminar 50- *Holistic Envelope and HVAC Design and Retrofit Considerations in Hot and Humid Locations*, TC 4.4 as sponsor
 - iii. Seminar 77- *What is New on Walls? Advances in Ventilated Cavities*, TC 4.4 as sponsor
- b. Sessions of interest outside of the conference:
 - i. Chemistry of Indoor Environments Science Meeting from January through May 2021; Session 2: *The Roles of Water and Partitioning in Indoor Chemistry* includes a presentation by Demetrios Pagonis on *Indoor partitioning of volatile organic compounds*
- c. Dave asks for volunteers or ideas for presentations for the Vegas/Winter 2022 Conference based on the following tracks:
 - i. Track 2: Fundamentals and Applications
 - ii. Track 4: Buildings at 360°
 - iii. Track 6: Environmental Health and IEQ in the International Arena
 - iv. Proposals are due August 2, 2021.
- d. Two potential Winter 2022 seminar ideas:
 - i. Sam Vacek on a 100% DOAS integrated into structural and architectural systems for improved sustainability, which could fall under Track 4 but needs two additional topics
 - ii. Don Snell and Ed Light to review and refine ideas for Track 6
 - iii. Fabio Clavijo can present on Colombian moisture issues; Farhan Juratli can present on Dubai conditioning and successes/case studies; Vinod Venugopal in Bahrain could also present. Consider a panel discussion in lieu of separate presentations to talk about different approaches and issues in extreme hot/humid climates.
- e. Continue to brainstorm programs for future conference submissions.

10. Handbook – Simon Pallin

- a. Handbook work group met a few times and reviewed chapters, including compilation of a chart to organize primary topics on moisture and direct to their relative locations in the Handbook. Each topic will be allocated to a group for review and revision work.
- b. Individuals interested in joining the work group can email Simon to be added to the participation list.
- c. Longer-term Handbook revision outlook will be reviewed as it relates to other sections, Fundamentals versus Applications, as well as the references guide. Reorganization efforts will be structured so redundant information is retained prior to shifting of information between Fundamentals and Applications.
- d. Revisions to be submitted by July 31, 2022 for publishing in the new 2023 Applications.

11. Standards and Guidelines – Don Snell

- a. Part 1 of ISO 22185-1 “Diagnosing moisture damage in buildings and implementing countermeasures” was published, Don is waiting on further information regarding Part 2 release for comment

12. Special Publications/Additional Updates – Lew Harriman

- a. Update on SPC 90.1- meetings, modeling, and research are underway to review means of energy-efficient compliance with the new dewpoint limit within Standard 62.1. A specialized sub-subcommittee within 90.1 is handling this review.
- b. Peter Luttk is working with others on how DOAS incorporate these requirements and asks how to attend meetings and sessions regarding this review; interested parties should reach out to the 90.1 committee for participation.
- c. A user guide for implementation of Standard 62.1 is being completed.
- d. The Position Document Revision Committee for *Limiting Indoor Mold and Dampness in Buildings* is updating the document based on published information and new Handbook chapters, reducing the document to a few pages for ease of use and reference.

13. Old Business – n/a

14. New Business –

- a. Steve Welty noted that the IAQ Association is planning to publish a new standard- 3210P, *Standard for the Assessment of Educational Facilities for Moisture Affected Areas and Fungal Contamination*. The standard is available for free on the IAQA website and can be used by professionals, schools, administrators, parents, etc.
- b. Ed Light provided an update on the COVID Task Force- Bill Bahnfleth noted in a meeting that the epidemiology does not show that high humidity aligns with limited spread of the virus and the 40% RH requirement has not been proven.

15. Presentation – Fabio Clavijo on HVAC Design Guide in Tropical Equatorial Region

16. Adjourn – Meeting adjourned.

Next planned meeting: 2022 ASHRAE Winter Conference – Las Vegas, NV, January 29-February 2, 2022.

Minutes approved in ASHRAE 2022 Winter Conference meeting on January 29, 2022; prepared by E. Bonfanti.